

Part 1: GENERAL

1.1 **Scope:** Subject to local building codes, this product is intended for use in:

- 1.1.1 Single family dwelling interior applications.
- 1.1.2 Multifamily dwelling, low-rise professional office, library and low-rise motel interior applications.
- 1.1.3 Lighter use industrial building and factory, hotel, and retail sales building interior applications.

1.2 **Product Description:** 1-3/4" or 1-3/8" side-hinged door systems manufactured by MASONITE.

1.2.1 Door system components include: door panel(s), bifold panel(s), door frame, hinges.

Part 2: BASIC MATERIALS

2.1 **Door Panel:** Masonite® Flush doors shall be fabricated using loose lay up assembly that includes wood veneer or hardboard facings, wood stiles, wood or MDF rails and particleboard core. Door facings are to be bonded to stiles, rails and core forming a 3-ply structural attachment.

2.1.1 Hinge preparations for 1-3/8" thick doors to be machined for standard weight radius mortise 3-1/2" hinges and 1-3/4" thick doors to be machined to accept 4" hinges. Face bore(s) for cylindrical lock and deadbolt are to be 2-1/8" diameter at 2-3/4" or 2-3/8" backset.

2.1.2 Vertical edge of door to be square, beveled both sides or lock stile only. Edge preparation should be clearly noted when the product is ordered.

2.2 **Bifold Panel:** Masonite® Flush bifolds shall be fabricated using loose lay up assembly that includes wood veneer or hardboard facings, wood stiles, wood or MDF rails and particleboard core. Bifold facings are to be bonded to stiles, rails and core forming a 3-ply structural attachment.

2.3 **Door Frame:** Wood jambs shall be fabricated as a flat jamb with doorstop applied or 2-piece split jamb. Hinge jamb preparations for 1-3/8" thick doors to be machined for standard weight radius mortise 3-1/2" hinges and 1-3/4" thick doors to be machined to accept 4" hinges. Strike jamb preparations are to be machined for full lip cylindrical strike plate. Double door units shall include preparations for ball catch located at the top of door on both door panels designed to strike into the head jamb.

2.4 **Hinges:** (3) standard weight radius mortise hinges are required on doors 7'0" height or smaller & (4) on doors greater than 7'0".

Part 3: DELIVERY, STORAGE & HANDLING

3.1 **Delivery:** Reasonable care shall be exercised during shipping and handling in keeping with the decorative nature of product.

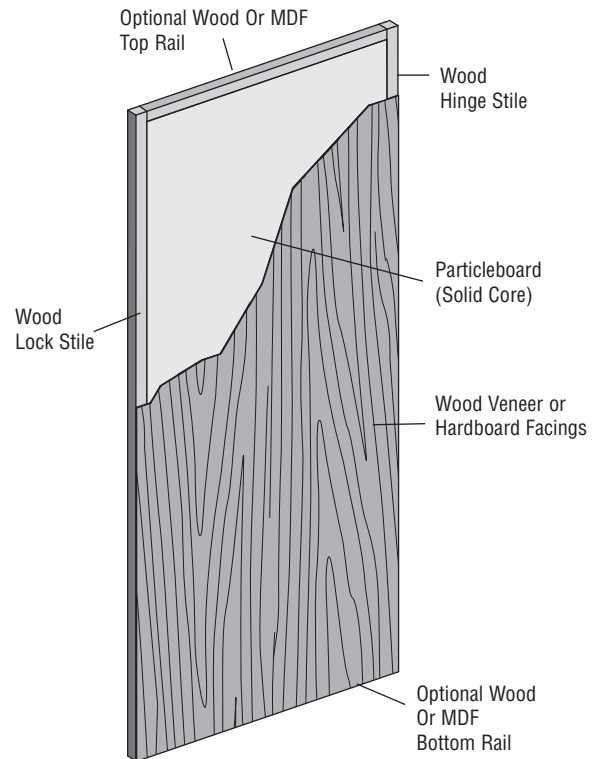
3.2 **Storage & Protection:** Store upright in a dry, well ventilated building or shelter at a constant temperature. Do not store in damp, freshly plastered, drywall or concrete areas until materials have completely dried. Doors should be stored at least 10' away from any heat source to help prevent uneven drying. Doors must be sealed with an oil-based sealer or primer if stored for long periods.

Part 4: EXECUTION

4.1 **Examination:** Site verification of substrate conditions, which have been previously completed, are acceptable for the product installation instructions in accordance with manufacturer's specifications. Verify that door frame openings are constructed plumb, true and level before beginning installation process. Select fasteners of adequate type, number and quality to perform the intended functions.

4.2 **Installation:** Remove protective packaging just prior to installation. Installer shall be experienced in performing work required and shall be specialized in the installation of work similar to that required for this project. Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product packaging instructions for installation.

4.3 **Finishes:** See Masonite - How To Paint and How To Stain instructions for complete finishing details. Various types of materials are used in the construction of the door system; each shall be sealed in



accordance with manufacturer's specifications to protect against various environmental conditions. Make sure to completely seal and inspect all 6-surfaces (top, hinge side, bottom, lock side, front face and back face) with two coat minimum on operable panel(s). Finishing and/or re-finishing must be completed immediately after door has acclimated to the environment where it is to be installed and within a maximum of 7 days. Avoid finishing after a rain or damp and during periods of higher than average humidity. Conduct periodic inspections of all coated surfaces to insure that door components are not exposed. Inspections should occur at least once a year. Reseal the surface as needed.

Part 5: GENERAL PERFORMANCE

5.1 **Acoustical Performance:** Unit scheduled for installation in opening requiring a specific noise control rating shall be clearly noted when product is ordered. 1-3/8" thick Flush door panels with wood veneer facings and particleboard core sound transmission class (STC) rating is 31. 1-3/4" thick Flush door panels with wood veneer facings and particleboard core sound transmission class (STC) rating is 32. (See acoustical performance data for unit specific acoustical information.)

5.2 **Thermal Performance:** Unit scheduled for installation in opening requiring a specific thermal rating shall be clearly noted when product is ordered. 1-3/8" thick Flush door with wood veneer facings and particleboard core at R-value of 3.31. (See thermal performance data for unit specific thermal information.)

5.3 **Fire Resistance:** Unit scheduled for installation in openings requiring compliance with national, state or local fire guidelines shall be clearly noted when product is ordered. Masonite® 1-3/4" Flush Series door panels have been evaluated for use as fire doors in 20-minute locations. Labeling is available under the Intertek Testing services / Warnock Hersey program. Fire doors require the use of a fire rated frame system and must be installed in accordance with NFPA 80 guidelines. (Please check with manufacturer or distributor for limitations of use).

Part 6: WARRANTY

6.1 Limited 1-Year - Please check with manufacturer or distributor for current warranty terms and conditions.